CLAIMS

I claim:

1. An antenna system comprising:

a first antenna;

a first communication interface configured to receive an antenna system command from a communication network;

a controller operatively coupled to the first communication interface and configured to process the antenna system command to generate a motor control signal; and

a motor operatively coupled to the controller and to the first antenna and configured to process the motor control signal to move the first antenna from a first position to a second position.

2. The antenna system of claim 1 wherein:

the first communication interface is configured to receive another antenna system command from the communication network and to transfer an antenna system response to the communication network; and

the controller is configured to process the other antenna system command to generate the antenna system response.

3. The antenna system of claim 2 wherein the antenna system command indicates a request for the first position of the first antenna, and the antenna system response indicates the first position of the first antenna.

4. The antenna system of claim 1 further comprising a second communication interface configured to transfer the antenna system command to the communication network for delivery to the first communication interface.

5. The antenna system of claim 4 wherein the antenna system is configured to detect an antenna system condition, and in response to the antenna system condition, to generate the antenna system command transferred by the second communication interface.

6. The antenna system of claim 1 further comprising a second antenna and wherein the second position allows the first antenna to operate as a back-up to the second antenna.

7. The antenna system of claim 1 wherein the second position allows the first antenna to compensate for signal loss.

8. The antenna system of claim 1 wherein the first communication interface is configured to successfully collect a password before the first antenna is allowed to move in response to the antenna system command.

9. The antenna system of claim 1 further comprising line protection units coupled between the motor and the controller.

10. The antenna system of claim 1 wherein the first antenna is configured for broadband wireless communication.

11. A method of operating an antenna system comprising:

receiving an antenna system command from a communication network;

processing the antenna system command to generate a motor control signal; and

processing the motor control signal to move a first antenna from a first position to a second position.

12. The method of claim 11 further comprising:

receiving another antenna system command from the communication network;

processing the other antenna system command to generate an antenna system response; and

transferring the antenna system response to the communication network.

13. The method of claim 12 wherein the antenna system command indicates a request for the first position of the first antenna, and the antenna system response indicates the first position of the first antenna.

14. The method of claim 11 further comprising transferring the antenna system command to the communication network.

15. The method of claim 14 further comprising detecting an antenna system condition, and in response to the antenna system condition, generating the antenna system command.

16. The method of claim 11 wherein the second position allows the first antenna to operate as a back-up to a second antenna.

17. The method of claim 11 wherein the second position allows the first antenna to compensate for signal loss.

18. The method of claim 11 further comprising successfully collecting a password before moving the first antenna in response to the antenna system command.

19. The method of claim 11 further comprising providing line protection for the motor control signal.

20. The method of claim 11 wherein the first antenna is configured for broadband wireless communication.